

MILBRETT RESIDENCE—Shoreline Restoration



PROJECT SPECS

Date Constructed ... Fall 2011

Shoreline Protection .. ~90 ft

Buffer Length.....~90 ft

Buffer Area.....~900 ft²

Natives Planted.....~500

Cost Share Funding 50% of project expenses up to \$3,000.00

Pre-Restoration Conditions

The Milbrett property lies on the shore of Forest Lake. The site was dominated by mown turf grass and reed canary grass—and invasive species. As a result, there was:

- Active shoreline erosion due to limited root structure to withstand wave/ice action and animal activity
- Direct conveyance of nutrients and pollution from the property into the lake, increasing algae and unwanted vegetation blooms.
- Limited plant diversity
- Limited wildlife habitat



**Before
Spring 2008**



October, 2011



After Restoration

Shoreline erosion was stabilized with rock-rip designed for the site taking into account wave height and ice action. Mown turf grass and invasive plants were replaced with a variety of native plantings along the lakeshore.

Approximately 500 native grasses, flowers, shrubs, and aquatic plants were planted. The native plantings, hardwood mulch, and riprap provide many benefits, including;

- Stopping soil from washing into the lake
- Stormwater is slowed and retained as it flows toward the lake increasing infiltration and decreasing input of nutrients and pollutants to Forest Lake
- Plant diversity is dramatically increased and the increase in root structure protects the shoreline from erosion due to runoff and wave/ice action.
- Fish and wildlife habitat is increased